

# Alaskan Way Viaduct and Seawall Replacement Project

Rebuild Plan

Cost Range

\$2.4 to \$2.9 billion

Features

Rebuild from Holgate St. to Pike St.

Retrofit from Pike St. to Battery St. Tunnel

Rebuild seawall along waterfront

Upgrade Battery St. Tunnel for fire/life safety

Construction Duration

8 to 9 years

Potential Cost Reduction

\$100 - \$450 million

Design Option

Reduce earthquake standards to 500-year return period

costs not known at this time

Design Option

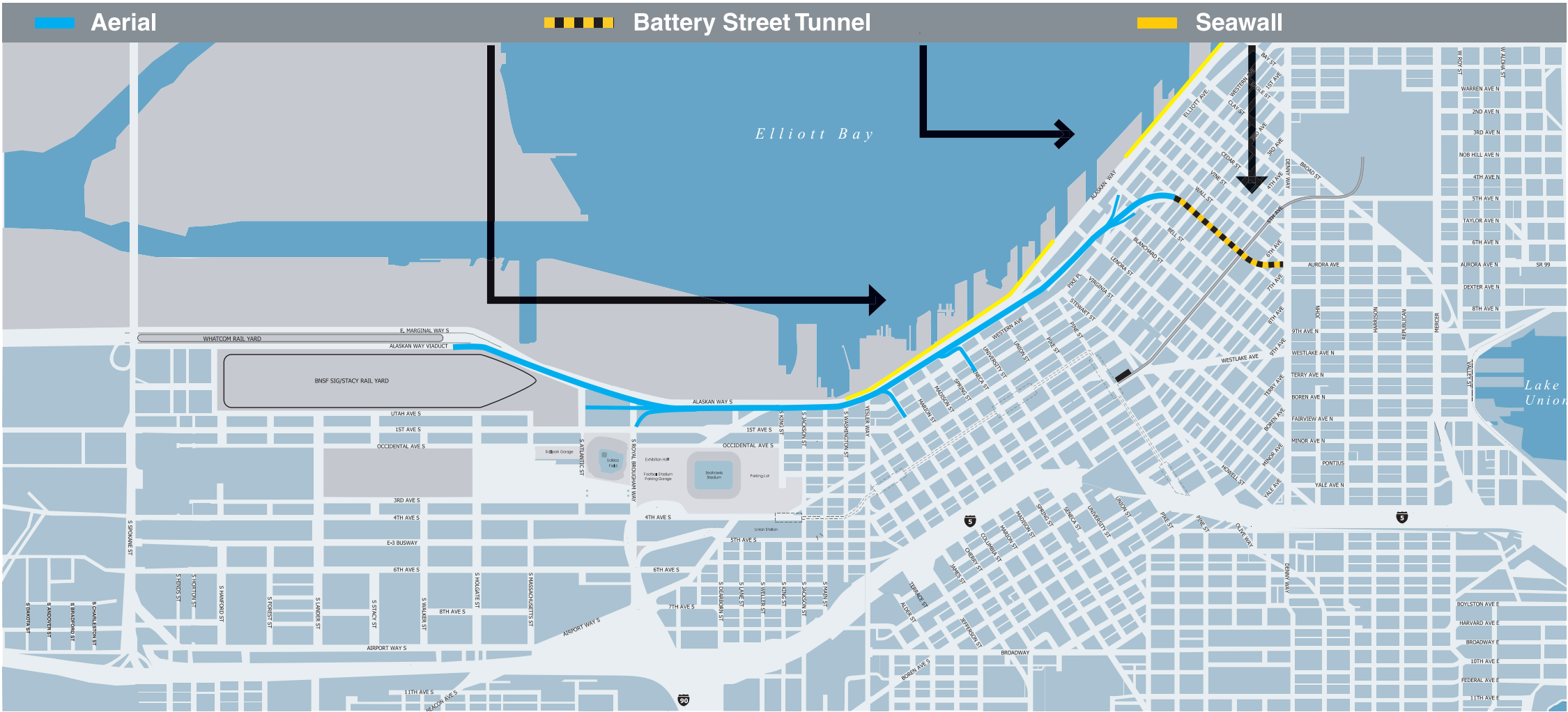
Defer replacing seawall from Pike St. to Eagle St.

-\$350 million

Design Option

Upgrade Battery St. Tunnel for fire/life safety

-\$100 million



# Alaskan Way Viaduct and Seawall Replacement Project

## Aerial Plan

Potential Cost Reduction  
\$100 - \$675 million

### Design Option

Type of seawall replacement  
-\$220 million

### Design Option

Holgate St. to King St.  
Reconfigure SR 519 connection  
-\$65 million

### Design Option

Enclose aerial structure to reduce noise and visual impacts  
costs not known at this time

### Design Option

Upgrade Battery St. Tunnel for fire/life safety  
-\$100 million

### Design Option

Connect Mercer St. and Roy St. over SR 99  
-\$290 million

### Cost Range

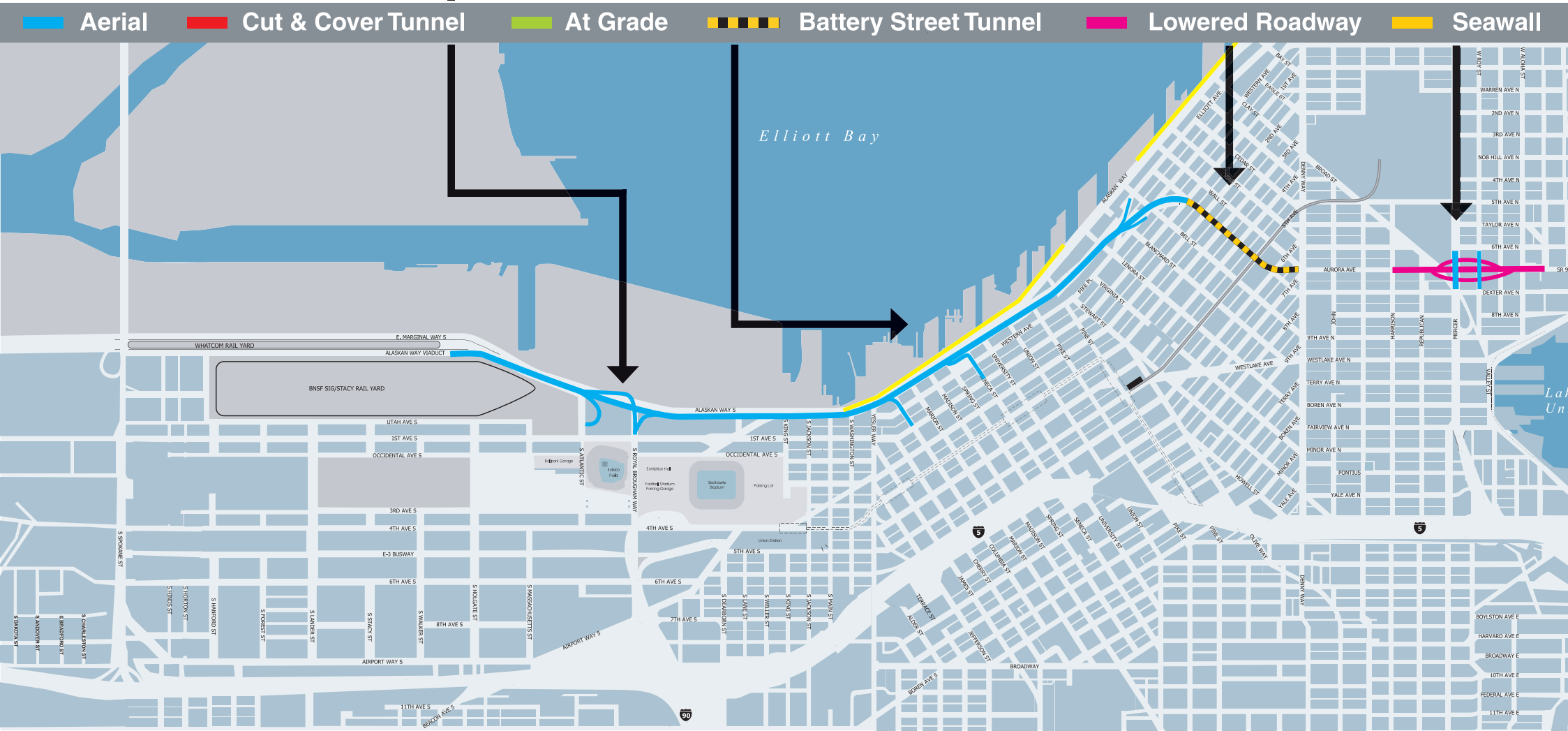
\$2.7 to \$3.3 billion

### Features

- Replace aerial from Holgate St. to Battery St. Tunnel
- Rebuild independent seawall from Washington St. to Virginia St. and Battery St. to Eagle St.
- Upgrade Battery St. Tunnel for fire/life safety
- Connect Mercer St. and Roy St. over SR 99

### Construction Duration

6 to 8 years



December 2, 2002

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## Tunnel Plan

Potential Cost Reduction  
\$100 million - \$1.7 billion

**Design Options**  
Holgate St. to King St.  
Reconfigure SR 519 connection with full aerial  
-\$230 million  
Reconfigure SR 519 connection with at-grade  
-\$220 million

**Design Options**  
Connect to Battery St. Tunnel  
Aerial and temporary structure along Alaskan Way  
-\$775 million  
Aerial with staged construction  
-\$825 million

**Design Option**  
Upgrade Battery St. Tunnel for fire/life safety  
-\$100 million

**Design Option**  
Seawall from Battery St. to Eagle St.  
-\$165 million

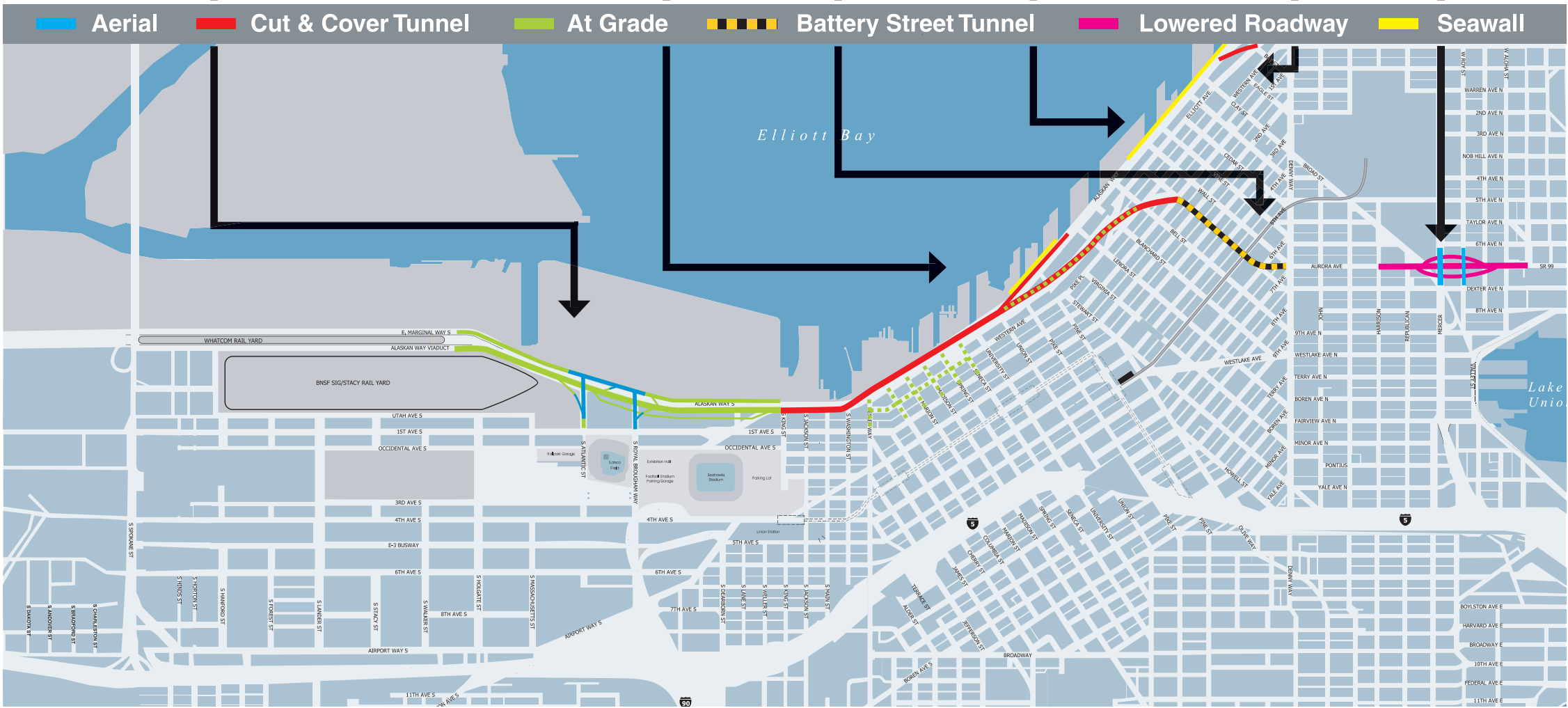
**Design Option**  
Underpass at Broad St. and BNSF Railroad tracks  
-\$60 million

**Design Option**  
Connect Mercer St. and Roy St. over SR 99  
-\$290 million

Cost Range  
\$3.9 to \$4.7 billion

- Features**
- Construct at-grade roadway from Holgate St. to King St.
  - Construct tunnel from King St. to Battery St. Tunnel
  - Upgrade Battery St. Tunnel for fire/life safety
  - Rebuild independent seawall from Pike St. to Virginia St. and Battery St. to Eagle St.
  - Underpass at Broad St. and BNSF Railroad tracks
  - Connect Mercer St. and Roy St. over SR 99

Construction Duration  
7 to 9 years



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